Cracklin' Static

January 2021 Edition

1968 50th Anniversary 2018
SIERRA NEVADA
Amateur Radio Society

Zoom Virtual meeting this month See page 4....

SNARS NET on DMR – Tuesday 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances
As of 12/23/2020

Operating	$8,052
Savings	$10,942
Self Insurance	$10,159
PayPal	$1,137
Convention	$4,295
Total	**$34,585**

Net Monthly	$301
Net YTD	$6,507

Renewals	13	
Donations YTD		
Amazon Smile Fdn		$155
Members		$652
PayPal Giving Fund		$107
Total Donations		**$914**

SNARS Membership as of 12-27-20

Extra	145	35%
General	137	33%
Technician	117	28%
Advanced	15	4%
No License	0	0%
License Expired	2	1%
Novice	1	0%
Total	**417**	

SNARS ARRL Members

Regular	237	57%
Life	41	10%

PRESIDENT'S VOICE

President John Byerly, N7ROJ

Email: mtnlion@gmail.com

Happy New Year everyone! I hope your holidays were safe and enjoyable. It sure is a change with the virus hanging on. I used a personal zoom account to enjoy friends and family remotely. It was nice, but like our meetings, it's not the same.

The main thing I want to talk about is the elections and the business meeting. We ratified the election and the new bylaws, then selected a new president. I was nominated and accepted for one more year as the President. I believe in term limits, and getting fresh ideas into our board, so this will be my last year as president of SNARS.

After I was re-elected, I asked the officers to serve another year with me without any changes. It's a great team, and I truly appreciate all their support and assistance.

Starting in January we will be hosting a monthly Ham Radio Night on Zoom. We will meet each 3rd Monday of each month to allow members to bring up topics and questions related to any amateur radio topic. The first meeting will be open to any questions or topics those attending might have including new ham topics, help with getting your radio programmed as examples. Members can find more info by going to **https://snars.org/hamradionight/**. (Editor's note: this page is not fully set up yet, but see page 11 for more details!)

Stay safe, happy, healthy, and sane! Get on the air and enjoy our great hobby!

73 John/N7ROJ

1968 50th Anniversary 2018

SIERRA NEVADA Amateur Radio Society

PO BOX 7727 Reno NV 89510
Yearly Dues: $40.00 Individual ● $50.00 Family
775.453.4142 http://snars.org

2020 Officers

President.....John Byerly, N7ROJ
Vice-President.....John Miller N7JDM
Treasurer.....Bill Jones, AE7OX
Secretary.....Anthony Marcin, W7XM
Director .....Wes Vick, KG7QXE
Director .....Jim Shepherd, W6US
Director .....Barry Bettman, K6ST

2020 Staff

Cracklin Static .....Howie Holden, WB2AWQ
W7TA Trustee .....Peter DeBay, KE7VSR
KR7ENO Trustee.....Howie Holden, WB2AWQ
Control Operator .....Pat Sheehan, W7DED
Youth Involvement.....Barry Bettman K6ST
NVQSO Coordinator.....Jim Shepherd, W6US
Historian .....Jon Fox, KF7KTC
Tech Team Lead .....Pat Sheehan, W7DED
Membership .....Kim Farnham, KG7TMA
PIO .....Greg Krantz, NT7Q
VE Coordinator.....Krystal Rhoades, AJ6GC
Meeting Greeter .....Bill Jones, AE7OX
Noon Net Manager .....Wes Vick, KG7QXE
DMR Net Manager .....Anthony Marcin, W7XM
Reno Ham Swap .....Vacant
Webmaster .....Erik Andreasen, K6CZH
Club Sales Manager.....Julie Dodge, N7JWL
Recording Secretary.....Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden **WB2AWQ** - holden7471@msn.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + Pl 123.0	Sparks, Fernley, Fallon	
147.210 + PL 100.0	Reno, Sparks	
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	
146.925 –PL 123.0	Lovelock, Fallon	
146.670 –PL 123.0	Winnemucca	
444.875 + PL 100.0	Yerington	
444.125 + PL 123.0	Reno Sparks	

DMR Systems

444.925 + CC 1	Reno, Sparks	
444.825 + CC 1	Dayton, Fallon, Carson	
443.925 + CC 1	Lake Tahoe, Truckee, Carson	
443.950 + CC 1	Incline Village	
442.875 + CC 1	Sparks, Fernley, Fallon	
442.850 + CC 1	Downtown Reno	
441.950 + CC 1	Fallon, Fernley	

Fusion Systems

146.610 – PL 123.0	Reno, Carson, Dayton	

IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	

Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	
145.050 - ROSE	Lake Tahoe, Truckee. Carson	
144.390 - TOULON	Lovelock, Fallon	

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	
443.075 + PL 123.0	Reno, Carson, Dayton	
927.0875 + PL 114.8	Reno, Carson, Dayton	

Online Offline Not Linked

Thank you to our Sponsors/Supporters

BOOMTOWN CASINO ★ HOTEL RENO, NV

Noon Net
Sierra Nevada Amateur Radio Society

Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
147.150 + PL123.0 – Lake Tahoe / Truckee
147.210 + PL 100.0 - Reno
444.875 + PL 100.0 - Yerington
146.925 - 123.0 – Lovelock / Fallon
146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newsline	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

DMR
DIGITAL MOBILE RADIO

SNARS Weekly DMR Net – Tuesdays 8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

Ham Radio Night at the REOC First Wednesday is CANCELLED until further notice. (See below!)

QCWA meeting January 9, 11AM to 12 noon Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno

SNARS Board Meeting Wednesday, 6:00PM January 13, Location and mode TBD

HAM RADIO NIGHT on Zoom 7:00 PM see https://snars.org/hamradionight/ (site still under construction, see page 11 for more details!)

Next months SNARS Breakfast Meeting – Feb 6
Location and media mode tentative depending on Board decision and local restrictions.

WELCOME NEW MEMBERS

As of December 26, 2020

Melissa	**Lawney**	**KJ7TCR**
Carl	**LaMar**	**KJ7RNL**
Paul	**Frates**	**KN6MQQ**
Brian	**Korty**	**KL2AV**
David	**Kozicki**	**KJ7SWO**
Robin	**Aichs**	**KJ7SUA**
Vik	**Bajaj**	**VE3BSV**
Barry	**Lifland**	**KN6GSG**

SNARS Virtual Monthly Meeting

SNARS (virtual on zoom conferencing) Monthly Meeting on Saturday 1-2-21 8:00a PST

A New Year, New Program From SNARS!

Introducing Ham Radio + Elmering Night!

TO REGISTER go to: https://zoom.us/meeting/register/tJAsduqppzojHtQc2Nqt5SGcSgn49gTYVk4K

Any questions, email Barry k6st@arrl.net

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

STATE QSO PARTY CHALLENGE

There are several yearlong contests that are easy to enter and add another dimension to your radio fun. One of the most popular is the State QSO Party Challenge. It takes the results from most of the individual state contests and adds them together over the year to come up with a score.

There are currently 45 different state and Canadian providence QSO parties that are participating in this challenge. The first ones start up in February and the last ones finish in October. All the scores need to be submitted by the end of November and the results are published in December.

It is really easy to join this contest. As you maybe have noticed, the front page of the SNARS website has been announcing all the state QSO parties. You only need to make a couple of contacts in a couple of these parties to enter the Challenge. Here is the easiest part, you only need to upload your statistics to the 3830Scores.com site. Most hams will upload all their contest statistics to 3830 after the contest to see how they stand against others in their class. Since the official results are not available from the sponsors for a month or more after the contest, this can let you see quickly how well your score stacks up. It is also a good way to see who else you know did. The Challenge results are automatically updated from the entries on 3830 and if you have work in a couple of QSO parties this year and uploaded to 3830, you will find your standing in the Challenge. No need to make a Cabrillo log and send it to the Challenge to enter. You still might want to make that Cabrillo log to send to the appropriate state sponsor…

Your score for the Challenge is calculated by multiplying the number of QSOs by the number of state QSO parties you have worked. It doesn't matter what mode or power you are using, they all count the same. Working a contest 'in state' generally will get you a large number of contacts as you can work virtually every other ham in the world… Working 'out of state' will get that important multiplier but usually much fewer contacts. Here in Nevada, we are lucky in having 2 contests where we qualify as 'in state', the Nevada QSO Party in October, and the 7th Area QSO Party in May. This will give us a big boost in the number of contacts.

There are a number of levels of achievement in the Challenge. These are based upon your score you will be in one of the 5 levels-- Bronze, Silver, Gold, Platinum and Diamond. While reaching the Platinum and Diamond will require playing in most of the state parties with some solid scores, scoring 4 contacts each in 5 different contests will get you a nice Bronze level certificate. Most of the Nevada QSO party In-State contestants if they worked just one other state contest would be eligible for that award. They have very nice certificates that you can print. Mine was for just 3 contests, the 7QP, NVQSO, and the California parties and I made Silver… One local ham made the Platinum level. Since multi-op station operators get only a fractional number of the total contacts, they do not dominate the list. If you work all of the contests and average 25 contacts per contest, you can make the Diamond Level.

The complete rules, the results , and other information can be found at http://stateqsoparty.com/ . They also have a forum that you can join to get information throughout the year. With the growth of the various state QSO parties, and our own Nevada QSO Party, this is a fun addition to the mix.

MIKE'S MISSIVES CHAPTER FIFTY THREE

Mike Katz, N7MSK

International Amateur Radio Union

Amateur radio is officially represented and coordinated by **the International Amateur Radio Union** (IARU), which is organized in three regions and has as its members the national amateur radio societies which exist in most countries. According to an estimate made in 2011 by the **American Radio Relay League,** two million people throughout the world are regularly involved with amateur radio.[2] About 830,000 **amateur radio stations** are located in IARU Region 2 (the Americas) followed by IARU Region 3 (South and East Asia and the Pacific Ocean) with about 750,000 stations. A significantly smaller number, about 400,000, are located in IARU Region 1 (Europe, Middle East, **CIS**, Africa).

SHORT TAKES **(By Jim Shepherd W6US)**

Contest Calendar

The first full weekend in January is the ARRL RTTY Roundup contest. There are some rule changes this year which will allow the WSJT and other non-RTTY digital modes to be in a separate class. Complete information is at **https://contests.arrl.org/rttyru/** . The ARRL January VHF contest is on the 16/17 weekend and FM simplex would be a good way to go as access to the mountaintops is very limited. The month ends with the Winter Field Day which is a great opportunity to go snow camping. The rules are different from the summer FD, so check them at **https://www.winterfieldday.com/**. You can get the full information about other contests at **https://www.contestcalendar.com/contestcal.html**.

DX

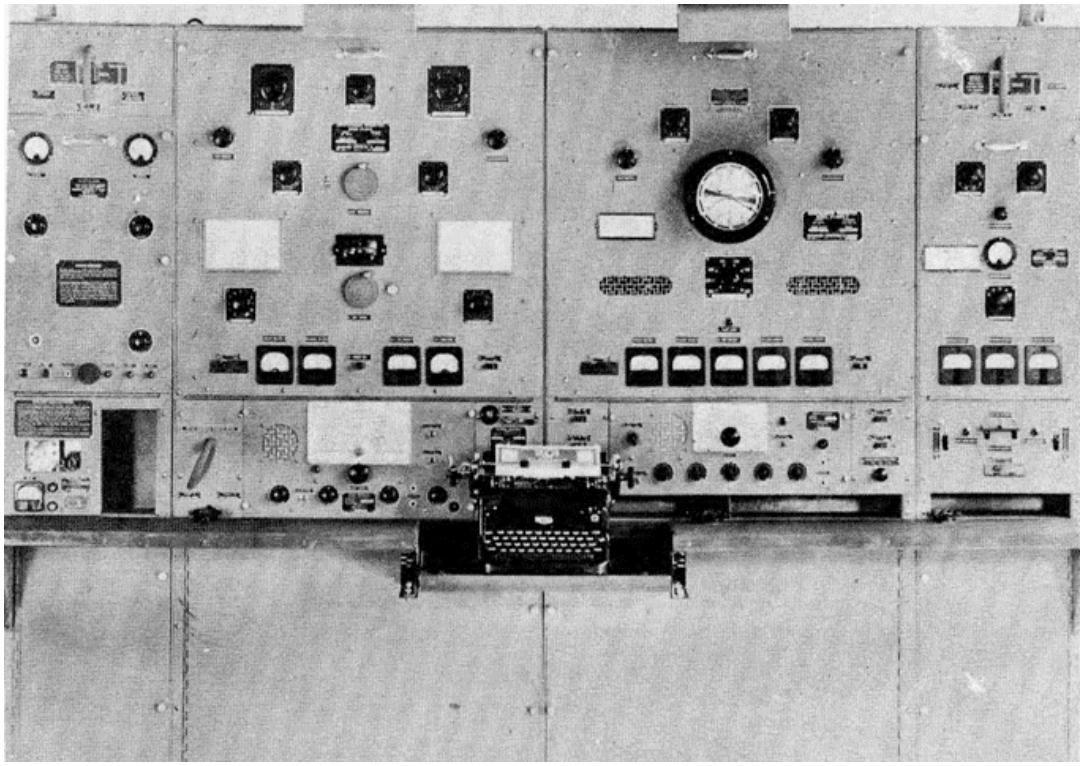
There are lots of other stations who might be on the air from their home QTH operating as they are in the same situation that we are with Covid19. There will be some operations from warmer areas around the globe. More information can be found at **https://www.ng3k.com/Misc/adxo.html** .

Third Monday ZOOM Ham Radio Night

We will see the return of our popular Ham Radio Nights via ZOOM to get your questions answered. It will be held at 7pm. More information, including the link will be published before that date.

NAME THAT RIG

(Answer on page 9)



YOUTH INVOLVEMENT

ARRL KIDS DAY

Saturday, January 2nd, 2021

10AM - 4PM PST

Twice a year, ARRL offers an event designed to promote Amateur Radio to our youth. Share the excitement with your kids or grand-kids, a Scout troop, a church or the general public!

For more Info on ARRL Kids Day, visit www.arrl.org/kids-day

Kids Day is designed to give on-the-air experience to young people and hopefully foster interest in getting a license of their own. It is also intended to give older hams a chance to share their station and love for Amateur Radio with their children.

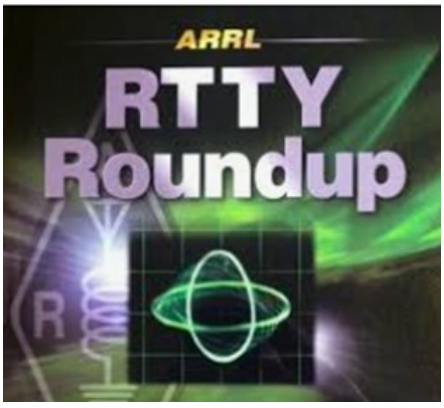
SNARS members and guests interested?

Please get on the air to talk with kids. Also you can contact K6ST Barry k6st@arrl.net to brainstorm ideas for this upcoming ARRL Kids Day event.

73,

Barry K6ST - k6st@arrl.net
Nevada Section Youth Coordinator
ARRL (American Radio Relay League) arrl.org
The national association for amateur radio

ARRL RTTY ROUNDUP (MODES: FT8, FT4, RTTY, OTHERS)



Sat Jan 2nd 10a PT - Sun Jan 3rd 4p PT

ARRL RTTY Roundup has a contest objective for amateurs world-wide tocontact and exchange QSO information with other amateurs using digital modes (Baudot RTTY, PSK, FT8/FT4, ASCII, AMTOR, and Packet—attended operation only) on 80, 40, 20, 15, and 10 meter bands. Any station may work any other station. Stations may be worked once per band, regardless of mode. Automated operation is not permitted, each claimed contact must include contemporaneous direct initiation by the operator on both sides of the contact.

Modes for the ARRL RTTY Roundup include:

FT8, FT4, RTTY and other digital modes.

Contest Period:

Begins 1800 UTC Saturday, ends 2359 UTC Sunday, which is Sat Jan 2nd, 2021 10a PT - Sun Jan 3rd, 2021 4p PT.

You are welcome to get on the digital airwaves and have a lot of fun!

More Info: http://www.arrl.org/rtty-roundup

W7SSB's FUN STUFF

A War Won With Spam (and a Few Other Things)

I saw a commercial on tv tonight about SPAM . It is a product you either love or hate! It is a true American product that China hasn't copied yet? hihi. Remembering my father, a WWII vet never wanted it in our home. I never knew why?

Please read the several stories about how SPAM, Christmas, WWII and how much it is revered around the world! From Russia, Great Britain, South Korea and the military. You say what does amateur radio have to do with SPAM? HAM = SPAM (a poor man's ham)

https://www.defensemedianetwork.com/stories/war-won-spam-things/

http://www.thepizzle.net/the-spam-of-christmas-past/
(Christmas in Korea with Spam.)

HOW THE WORD "SPAM" CAME TO MEAN "JUNK MESSAGE"

http://www.todayifoundout.com/index.php/2010/09/how-the-word-spam-came-to-mean-junk-message/

HAPPY NEW YEAR DE DON W7SSB

FUN STUFF FOR JANUARY

January has five ARRL/NCJ sponsored contests, shown in BOLD, but there's not a whole bunch of other major contests going on in January. Not a single state QSO party! (lesson here?)

2 Jan 1800 to 2 Jan 2359 3.5-14, 18, 21, 24, 28, 2 repeaters ARRL Kids Day Ph www.arrl.org/kids-day

2 Jan 1800 to 3 Jan 2359 3.5-28 ARRL RTTY Roundup Dig www.arrl.org/rtty-roundup

6 Jan 2300 to 10 Jan 2300 1.8-7 AWA Linc Cundall Memorial CW Contest CW **www.antiquewireless.org**

9 Jan1800 to 10 Jan 0559 1.8-28 North American QSO Party, www.ncjweb.com

16 Jan 1800 to 17 Jan 0559 1.8-28 North American QSO Party, SSB www.ncjweb.com

16 Jan 1900 to18 Jan 0359 50 and up ARRL January VHF Contest CW Ph Dig www.arrl.org/january-vhf

30 Jan 1900 to 31 Jan 1900 All Winter Field Day No FT4/ **www.winterfieldday.com**

For full details, visit the websites, and for other contests see: http://www.arrl.org/files/file/Contest%20Corral/2021/January%202021%20Corral.pdf

If you're not into contests, there's always DX to chase! We're still seeing the effects of Covid-19, so I listed all that's on the calendar! When things open up, don't expect to see Costa Rica or Bolivia on this page again.

Dec 15 to Jan 15	**Rotuma**	**3D2AG/p**
Jan 03 to Jan 09	**Costa Rica**	**TI**
Jan 09 to Jan 26	**Bolivia**	**CP1XRM**
Jan 14 to Jan 29	**Maldives**	**8Q7CQ**

Check https://www.ng3k.com/Misc/adxo.html for updates on DXpeditions!

RENO QRP SLOW SPEED CW NET

THE NEXT RENO QRP SLOW SPEED CW NET

Session has not yet been determined due to holidays and personal life. Please also note that the Reno QRP group has not been meeting, due to the COVID 19. Once things are under better control, the meetings can start up again. In the meantime, anyone wishing to participate in the Slow Speed CW Net, please email me, Ed Dybowski, WD7Y, at: wd7y@sbcglobal.net and I will let you know when the next net is.

73/72 Ed/WD7Y

NAME THAT RIG (from page 6)

Before the advent of GMDSS (Global Maritime Distress and Safety System), in which ships Radio Officers were replaced with computer operators, electronics officers and satellite systems, probably the world's most noted supplier of marine/shipboard radios was the **RadioMarine Corp of America (RMCA)**, a division of **RCA**. And the most often supplied radio units for shipboard use was the **RadioMarine 4U console**, a complete shipboard radio station, designed to meet all radio requirements of commercial ships. The **4U** included a 200 watt output HF transmitter covering 2 to 24 Mhz, and mating MF/HF receiver covering 85-550 Khz and 1.9-25 Mhz (all left-center), a 200 watt output MF transmitter covering 350-500 Khz, a mating LF/MF receiver covering 15-650 Khz (all right-center), an emergency 40 watt MF transmitter covering 350-500 Khz (right end), an emergency crystal receiver covering 350-515 Khz (behind typewriter), auto-alarm equipment used for guarding the old 500Khz distress frequency and alerting operators to any distress or SOS messages (left end), and full motor-generator sets for operating all the above equipment (bottom behind panels). The main HF and MF transmitters could emit either A1 (continuous wave) or A2 (modulated continuous wave) signals. There was no provision for voice. Also included were telegraph keys, all the needed switching equipment, a typewriter (called a "mill" which types only in capital letters), battery charging facilities and more. Both main transmitters used only two different tubes – 1624 and 813 power tubes, and the emergency transmitter used only 1624 type tubes, simplifying spares. The HF transmitter could be used with its internal master oscillator, or 10 different crystals, and the MF transmitter could be used with an internal master oscillator or any of 8 crystals. The **4U console** appeared by 1943, and was in widespread use the world over into the 1970s and beyond, until GMDSS came along. They were known for their extreme reliability and ease of repair, contributing to their long service life. Most had a distinctive CW note – characteristic of the design, and yours truly copied thousands of messages transmitted via 4U consoles. A few of these magnificent radio stations still exist, although most were scrapped or salvaged for parts over the years. One is in the San Francisco Maritime Museum. A predecessor to the **4U**, the 3U, was initially used in WW2 Victory and Liberty ships. The 3U had only MF capability. Occasionally the receivers, known as RMCA AR8506 and AR8510 appear in ham shacks.

SNARS NOON NET (DECEMBER 25TH, 2020) CHRISTMAS EDITION

CQ from the North Pole from Santa

On XMAS day we had a fun net with SNARS Noon Net Control "Kilo Six Santa's Toys" (Barry K6ST in NorthWest Reno) had 31 check-ins from SNARS Members & Guests:

W7VD, N6WMH, KJ7GEZ, K7WBY, K5NEV, KJ7OZT, KG7QXE, AF6MN, KJ7ISO, AA7GT, KJ7TKR, N6HRJ, KJ6EAC, KJ7GVY, KC7NXP, WU7ANG, KI7FNX, KB7DFH, W6US, KJ7DHY, N7FEM, KJ7RNM, KY7OTE, KG7D, WA7OZT, KF7NJL, AJ6E, K7KBJ, AG7TX, WA6EWV, KI7OAL

... as well as two fictitious ham radio stations:
CallSign **FN0EL** "Francois NOEL" from the French Alps via 15 meters HF
CallSign **NP0LE** "Saint Nick" from the North Pole via a ham radio link

Also, we had some fun holiday trivia.

Paul WA6EWV from south shore Lake Tahoe "The Griswolds from the movie Christmas Vacation" have nothing on me, even if the electricity goes out I am prepared as a good ham radio operator.

Icom IC-705 under the tree

One ham radio operator's gifts from Santa

Thanks to Santa, one ham radio operator is planning on a field-deployed wire antenna

If you weren't on the SNARS Noon Net (December 25th 2020) Christmas Edition, feel free to listen to the recording (courtesy of the Northern Nevada Preppers Group and K7KBJ Ken). Just click this link below to listen and enjoy:
http://barrybettman.com/audios/SNARS_Noon_Net_12-25-2020_Christmas_Edition.mp3

A new type of Beam Antenna powered by Santa

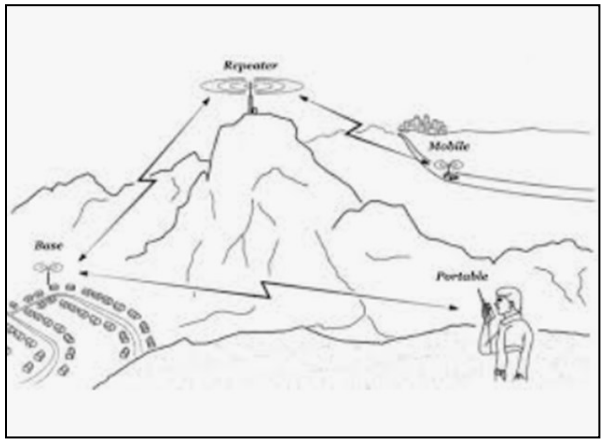
HO, HO, HO from "Kilo Six Santa's Toys" .. and Happy 2021 New Year!

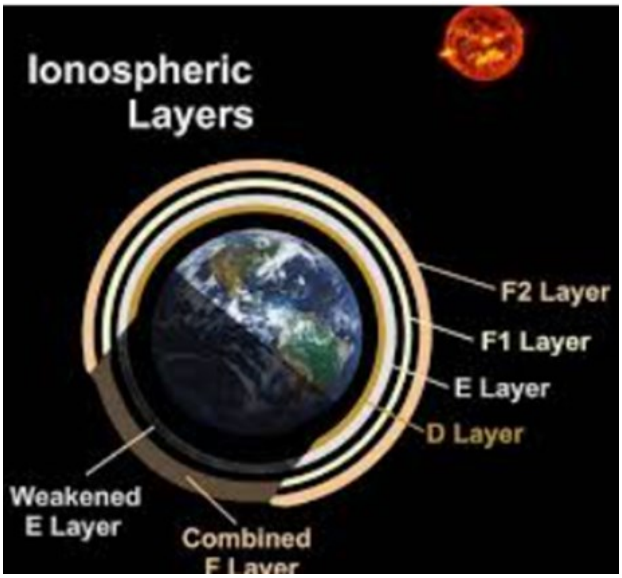
73, Barry K6ST
Nevada Section Youth Coordinator

NEW FOR 2021 SNARS (MONTHLY) HAM RADIO TECH NIGHT

3rd Monday of each month at 7PM PT

This is an opportunity to Get help and Help Others in ham radio. Back by popular demand, and now time virtual on Zoom conferencing, it is your opportunity to bring your ham radio questions to this community based Elemering event.





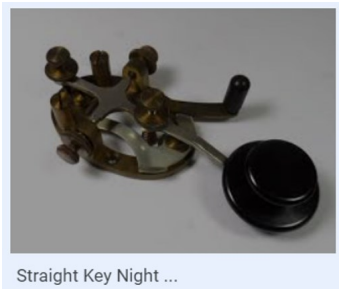
Come to learn and share your ham radio knowledge.

Our first Ham Radio Night of 2021 will be on January 18th (3rd Monday of each month) at 7:00p PT.

REGISTER for 1/18/2020 7:00p PT
https://zoom.us/meeting/register/tJYtcemorzwtEtWUF1vHXrCjidanxGcfsB2x

Questions about the Ham Radio Tech Night series?
Contact Wes KG7QXE <**wbvick@charter.net** > or Barry K6ST <**k6st@arrl.net**>

RING IN THE NEW YEAR WITH "STRAIGHT KEY NIGHT"


Straight Key Night ...

Have fun with your straight key on CW! Thursday December 31, 2020 4PM PST- Friday January 1, 2021 4PM PST (1/1/2021 0000Z—2359Z)

This 24-hour event is not a contest; rather it is a day dedicated to celebrating our CW heritage. Participants are encouraged to get on the air and simply make enjoyable, conversational CW QSOs. The use of straight keys or bugs to send CW is preferred. There are no points scored and all who participate are winners.

Straight Key Night is held every January 1 from 0000 UTC through 2359 UTC; which is Thursday December 31st 2020 4p pst - Friday January 1st 4p 2021 pst.

A Straight Key Night Story (By ARRL, Dan Henderson, N1ND): In my early days in amateur radio, I was privileged to have three top-flight Elmers. Each shared with me new interests and enthusiasm for different parts of the hobby. The first, Col. Frank, WB4JMG, was special because we shared the same birthday and he taught me most of what I learned in those early days about electronic theory. The second Everest, W4DYW, was special because not only because our families were so close – he was my principle mentor for on-the-air operations, especially CW traffic nets.

Unless your Elmer was one of your parents, you probably can't say what my third Elmer could say about our relationship. Dr. Mac, WA4VNV (later N4IX), would honestly say he knew me my entire life. Not only was he a dedicated amateur operator – he was my mother's OBGYN and was the man who literally "delivered me" to the world, and helped me find the world of amateur radio in later years.
Continue Reading:

http://www.arrl.org/straight-key-night

Morse Code QSO on Straight Key Night ...

ARES NEWS

I hope everyone had a great Christmas/ Hannukah, Have a Happy New Year

Announcement of WCARES On Line EC-001 Class, Winter 2021

Registration is now open for an online class, "Introduction to Emergency Communications, EC-001". American Radio Relay League (ARRL) Field Instructors from Washoe County Nevada Amateur Radio Emergency Service (WCARES) will conduct this no-cost class.

The class will run 12 sessions in the period from 9 January to 10 April 2020. There will be a break in class sessions from 21 February-12 March to allow students time to put course material into practical use and to complete a project assignment.

This is an approved ARRL Field Course conducted online, targeting Radio Amateurs in the **NW Nevada District**, comprising the following Nevada Counties: Carson City, Churchill. Douglas. Humboldt, Lyon, Mineral, Pershing, Storey, and Washoe. Registration is also open to students in adjacent Northern California counties and other Radio Amateurs throughout the state of Nevada.

Class size will be limited to the first 25 applicants.

Class completion is required for Level 2 certification in the ARRL ARES Standard Task Book, and Full Membership Level in the WCARES organization.

The course employs a combination of on-line independent study (using the Canvas on-line learning platform) and weekly video discussion/question & answer sessions on Saturday mornings from 9-10am Pacific Time (using the Zoom teleconferencing application).

An internet or cellphone connection capable of supporting Zoom conferences will be required to attend these sessions live. All sessions will be recorded for later retrieval and playback to accommodate students who cannot attend the live sessions.

Students need to complete the course prerequisites before taking the course final exam. These are two no-cost on-line Federal Emergency Management Agency (FEMA) independent study courses **IS-100.c,** Introduction to the Incident Command System, **ICS 100,** and **IS-700.b,** An Introduction to the National Incident Management System.

FEMA Course completion certificates or course transcripts are required to take the final exam which will be conducted by ARRL Volunteer Examiners or online through the ARRL website.

To register for the Winter 2021 WCARES EC-001 class, send an email to:

Washoe County ARES Emergency Coordinator,

Bob Miller, WA6MTY

WA6MTY@wcares.us

Tel (775) 843-5952

AND

Lead course instructor,
John Mishler, N3JWM
73N3JWM@gmail.com
Tel (410) 610-3321

2020 ARRL DECEMBER 10-METER CONTEST REPORT

Conditions for the 2020 ARRL 10-Meter Contest were pretty good. For my station, propagation seemed mostly through sporadic E across the U.S. and tropospheric ducting to South America.

As my station I used a Kenwood TS-570S, working 100 watts through a Comet CHV-5X 5-Band Rotatable Dipole at about 20 feet above the ground.

Internationally, multiple contacts were made with Argentina, Brazil, Chile, Dominican Republic and Uruguay. Across the U.S. contacts included Alabama, Colorado, Florida, Georgia, Illinois, Kentucky, Louisiana, Maryland, Ohio, Pennsylvania, Virginia. All of the above contact locations have been verified through LoTW - Logbook of the World. This is a free service provided to all Amateur Radio operators worldwide, and provides electronic QSL confirmation for those that utilize it. I had contacts with other stations, but their logs have either not been submitted to LoTW, or those stations do not use this free service.

Overall, I contacted 59 different stations during the contest, including two in Nevada.

Statistically, there were 3848 logs turned in to ARRL by the December 25th deadline. Of those, 2410 were from U.S. stations, or almost 63% of the total. I noted that we had five participants **reporting from and affiliating with SNARS.**

KF7KTC	Single Operator, Ph Only, Low Power
KG7QXE	Single Operator Unlimited, Ph Only, Low Power
KM6CQ	Single Operator, Mixed Mode, High Power
W6US	Single Operator, Ph Only, QRP
W7VD	Single Operator, Mixed Mode, Low Power

In Nevada, the following additional stations reported their contacts:

K6DGW	Single Operator, CW Only, High Power	(Mother Lode DX/Contest Club)
W7ZR	Single Operator Unlimited, CW Only, Low Power	(Arizona Outlaws Contest Club)
K6ST	Single Operator Unlimited, CW Only, Low Power	(N. CA Contest Club)
K2RD	Single Op Unlimited, Mixed Mode, High Power	(N. CA Contest Club)
K7XC	Single Operator Unlimited, CW Only, Low Power	(N. CA Contest Club)
WU6W	Single Operator, Mixed Mode, High Power	(N. CA Contest Club)
K7EAU	Single Operator, CW Only, Low Power	
KQ7TJ	Single Operator, Mixed Mode, Low Power	
KT9X	Single Operator, CW Only, Low Power	
N7XCZ	Single Operator, CW Only, Low Power	
N7YK	Single Operator Unlimited, CW Only, Low Power	
W7FD	Single Operator, Mixed Mode, Low Power	

Official scores for the contest will be reported later in 2021.

73, Jon - KF7KTC

Board of Directors Meeting Minutes

December 9, 2020 - Approx 6:00PM

At Chin Chin plus Zoom

1. Call to order and roll call at 6:00 PM

Board of Directors:

Anthony Marcin, W7XM	P	Barry Bettman, K6ST	P	John Miller, N7JDM	P
Bill Jones, AE7OX	P	John Byerly, N7ROJ	P	Wes Vick, KG7QXE	P
Jim Shepherd, W6US	P	Doug Edmondo, W7DBE	P		

Pat Sheehan, W7DED – Technical Committee Chair

2. Approval of Minutes - Discussion/Action

Approve November 2020 meeting minutes - Approved

3. Approval of Agenda - Discussion/Action

Approve Agenda - Approved

4. Reports

President's Report John mentioned the new (Old) board and thanked Doug (W7DBE) for working the By Laws.

Secretary Report

416 Members, no other business related activity. Discussed Forrest Service and BLM Invoices. Have yet to receive an invoice from BLM (Maybe due to being a non-profit?)

Treasurer

Net Monthly $547 Net YTD $6,201, Renewals 18 Mentioned that Jim Shepherd will be sending an invoice for NVQSO plaques.
Financial Report – as of November 30, 2020: Checking: $7,397 Savings: $10,852 Paypal: $1,761 Conv: $4,295 Self-Ins: $9,979

Notes:

Transferred $1500.00 from PayPal to Operating.
Transferred $90 from Operating to Savings.
Transferred $180 from Operating to Self-Insurance.
No unusual revenue or expenses during Nov.
Started compiling all cash donation YTD to SNARS:
PayPal Giving Fund $92
AmazonSmile Foundation $154
Members $596

Technical Team

Pat Sheehan discussed items of interest including replacement of the Toulon link radio. Jim Shepherd mentioned the system sounds great in Winnemucca. Discussed the 440 analog box on Ophir and discussed work on the newly split 6m repeater (Ophir receive, Davidson Transmit). Pat has custody of Jim's donated corner reflector for future use. Barry mentioned that on the noon net other members expressed interest in helping on work crews for the sites and that the IRLP machine needs work. Pat discussed why Mt Rose's repeater coverage has changed (Two antenna's and location of same). He also indicated that yes we should go back to adding status to the repeater telegram page.

Control Operators / Trustee No report

C. **Events**

a. Ham Radio Night on Zoom – The Third Monday of every Month starting in January
b. Jim Shepherd volunteered to reserve the group area at Washoe Lake State Park for Field Day

D. **Education & Youth Activities**

a. Kids day January 2nd
b. Discussed UNR radio club potential activities for next year

Noon Net - Noon Net Manager. Wes discussed DMR net coverage. Discussed options including new NCO's

5. **Old Business**

A. Members Only Website – still working on Form for the Ham Swap
B. In person monthly meetings – No News

6. **New Business**

New Board – Separate Minutes

7. **Board and or Public Comments**

There were no Board member comments IAT the above. Barry mentioned tough year and thanks Tony and Eric.
There were no public comments

8. **Adjournment - Action**

A. Next Meeting: January 13, 2021. Location TBD
B. Call For Adjournment. Adjourned at 18:30

Board of Directors Business Meeting Agenda

December 9, 2020 - Approx 6:30PM

At Chin Chin plus Zoom

1. Call to order and roll call at 6:00 PM

Board of Directors:

Anthony Marcin, W7XM	P	Barry Bettman, K6ST	P	John Miller, N7JDM	P
Bill Jones, AE7OX	P	John Byerly, N7ROJ	P	Wes Vick, KG7QXE	P
Jim Shepherd, W6US	P				

Guests in attendance: Doug Edmondo, W7DBE

2. Approval of Minutes - Discussion/Action

No prior minutes to approve

3. Approval of Agenda - Discussion/Action

Agenda Approved

4. Actions

A. Set new board for upcoming year
The board nominated John Byerly for President. John accepted and the board voted accordingly. John asked that the board positions remain the same and the board voted to maintain the current board positions.
B. Ratify member approved By Laws – The member approved By Laws were formally ratified by the board

5. Adjournment - Action

A. The meeting was adjourned at 18:45